

## Gunter, Jason

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**From:** Nations, Mark <mnations@doerun.com>  
**Sent:** Tuesday, May 13, 2014 2:31 PM  
**To:** Gunter, Jason  
**Cc:** Wohl, Matthew; Yingling, Mark; martin.kator@dnr.mo.gov; robert.hinkson@dnr.mo.gov; brandon.wiles@dnr.mo.gov; Ty Morris (TMorris@barr.com); Cummings, Mark; Hedrick, Samantha K.; Sanders, Amy B.; Bodnar, Gen  
**Subject:** Federal Progress Report  
**Attachments:** FED\_04-14[1].doc; Pb\_Results\_By\_Month\_February\_2014\_019[1].pdf

Jason, attached is the April 2014 report.  
Mark

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**THE  
DOE RUN  
COMPANY**

*Remediation Group*

**Mark Nations**  
**Mining Properties Manager**  
***mnations@doerun.com***

May 12, 2014

Mr. Jason Gunter  
Remedial Project Manager  
U.S. Environmental Protection Agency  
Region 7 - Superfund Branch  
11201 Renner Blvd.  
Lenexa, KS 66219

**Re: The Doe Run Company – Federal Mine Tailings Site Monthly Progress Report**

Dear Mr. Gunter:

As required by Article XVII, Paragraph 73 of the Administrative Order on Consent (Docket No. VII-97-F-0009) for the referenced project and on behalf of The Doe Run Company, the progress report for the period April 1, 2014 through April 30, 2014 is enclosed. If you have any questions or comments, please call me at 573-518-0800.

Sincerely,



Mark Nations  
Mining Properties Manager

Enclosure

- c: Matt Wohl – TDRC (electronic only)
- Mark Yingling – TDRC (electronic only)
- Martin Kator – MDNR - DSP
- Robert Hinkson – MDNR - HWP
- Brandon Wiles – MDNR
- Ty Morris – Barr Engineering

**Federal Mine Tailings Site**  
Park Hills, Missouri  
**Monthly Progress Report**  
Period: April 1, 2014 – April 30, 2014

**1. Actions Performed or Completed This Period:**

- a. Work continued on the task of stockpiling rock onsite. This work focused on stockpiling trail rock, Type 1 riprap, Type 2 riprap, Type 3 riprap, and Slope Protection Rock. These rock types are being stockpiled in the Borrow Area and in a staging area near the Former Chat Pile Area. As of the end of the period, work on this task continued.
- b. Work in Phase III of the Off Road Vehicle (ORV) Riding Area continued. This work focused on covering the trails and grids that exceeded the 600 ppm action level. As of the end of the period, work on this task has been completed.
- c. Work continued in the Borrow Pit Area. This work focused on covering the open areas with rock. As of the end of the period, work on this task continued.
- d. Work continued in the Former Chat Pile Area. This work focused on grading the ditches and placing cover material over the area. As of the end of the period, work on this task continued.
- e. Work continued in the Shaw Branch Creek Area. This work focused on final grading the Sedimentation Ponds. As of the end of the period, work on this task continued.
- f. Work in the Shaw Branch Creek Area also focused on rocking the drainage channels and slopes. As of the end of the period, work on this task continued.

**2. Data and Results Received This Period:**

- a. Attached are the lead monitoring results for the Missouri Department of Natural Resources – Department of State Parks (MDNR-DSP) air monitor located near the ORV Riding Area for February 2014. Neither The Doe Run Company nor Barr Engineering were involved with siting this monitor, collecting the samples, processing the samples, evaluating the data, or verifying the accuracy of the data.
- b. During this period, the Ambient Air Monitoring Reports for Fourth Quarter 2013 and January 2014 were completed. Any issues identified in these reports are discussed below. A copy of these documents has been sent to your attention. These will be the last Ambient Air Monitoring Reports you will be receiving from Barr. All future Ambient Air Monitoring Reports will be coming from Doe Run.

The Fourth Quarter 2013 Ambient Air Monitoring Report noted the following:

- The action levels for lead and dust were not exceeded.
- No sample was taken on the Federal #2 (Big River) TSP monitor on 10/04/13 due to the run time of the monitor being outside of the acceptable limits. This issue has been addressed.
- There was a QA blank filter for the Federal #1 (Water Plant) TSP and PM<sub>10</sub> monitors on 10/11/13.
- No sample was taken on the Federal #2 (Big River) TSP monitor on 10/16/13 due to unknown reasons. Follow-up inspections of the monitor indicated that the monitor is working properly.
- No sample was taken on the Federal #2 (Big River) TSP monitor on 10/29/13 due to an electrical failure. Upon discovery, this issue was addressed.
- No sample was taken on the Federal #2 (Big River) TSP monitor on 10/30/13 due to a mechanical failure. Upon discovery, this issue was addressed.
- No sample was taken on the Federal #1 (Water Plant) PM<sub>10</sub> monitor on 10/31/13 due to a mechanical failure. Upon discovery, this issue was addressed.

- There was a QA blank filter for the Big River #4 QA TSP monitor on 11/19/13.
- No sample was taken on the Federal #1 (Water Plant) PM<sub>10</sub> monitor on 11/21/13 due to a mechanical failure. Upon discovery, this issue was addressed.
- No sample was taken on the Federal #4 (St. Joe Park) PM<sub>10</sub> monitor on 11/27/13 due to a mechanical failure. Upon discovery, this issue was addressed.
- No samples were taken with the TSP monitors on 11/27/13, 11/28/13, or 11/29/13 due to the holiday.
- No samples were taken with the PM<sub>10</sub> monitors on 11/30/13 due to the holiday.
- No sample was taken on the Federal #2 (Big River) TSP monitor on 12/03/13 and 12/04/13 due to the run time of the monitor being outside of the acceptable limits. This issue has been addressed.
- No sample was taken on the Federal #1 (water plant) TSP monitor on 12/06/13 and 12/27/13 due to the run time of the monitor being outside of the acceptable limits. This issue has been addressed.
- No samples were taken with the TSP monitors on 12/24/13, 12/25/13, or 12/31/13 due to the holiday.

The January 2014 Ambient Air Monitoring Report noted the following:

- The action levels for lead and dust were not exceeded.
- No samples were taken with the TSP monitors on 01/01/14 due to the holiday.
- No sample was taken on the Federal #2 (Big River QA) PM<sub>10</sub> monitor on 01/05/14 and 01/11/14 due to the run time of the monitor being outside of the acceptable limits. This issue has been addressed.
- No sample was taken on the Federal #1 (water plant) TSP monitor on 01/09/14 and 01/10/14 due to the run time of the monitor being outside of the acceptable limits. This issue has been addressed.
- No sample was taken on the Federal #4 TSP monitor on 01/16/14 due to a mechanical failure. Upon discovery, this issue was addressed.
- No sample was taken on the Federal #4 TSP monitor on 01/21/14 and 01/30/14 due to the run time of the monitor being outside of the acceptable limits. This issue was addressed.

**3. Planned Activities for Next Period:**

- a. Work in the Borrow Pit Area will continue on covering the open areas with rock or soil.
- b. Work in the Former Chat Pile Area will continue. Work in this area will focus on placing cover materials outside of the drainage channels.
- c. Work will continue on the task of stockpiling trail rock, Type 1 riprap, Type 2 riprap, and Slope Protection Rock.
- d. Work in the Shaw Branch Creek Area will continue. Work in this area will focus on rocking slopes and grading the drainage channels.

**4. Changes in Personnel:**

- a. None.

**5. Issues or Problems Encountered and the Resolution:**

- a. None.

# Air Quality Monitoring Pb results for February 2014

St. Joe State Park

Primary

AQM Pb results for December 2013					AQM Pb results for January 2014						
St. Joe State Park					St. Joe State Park						
Primary					Primary						
Sample Number	Date Collected	Sampler:	Result		Sample Number	Date Collected	Sampler:	Result			
AC15718	12/3/2013	#1 Primary	0.0036	µg/m³	AC17752	1/2/2014	#1 Primary	0.0563	µg/m³		
AC15738	12/6/2013	#1 Primary	0.0061	µg/m³	AC17772	1/5/2014	#1 Primary	0.0111	µg/m³		
AC15758	12/9/2013	#1 Primary	0.0318	µg/m³	AC17792	1/8/2014	#1 Primary	0.0035	µg/m³		
AC15778	12/12/2013	#1 Primary	0.0043	µg/m³	AC17812	1/11/2014	#1 Primary	0.0035	µg/m³		
AC15798	12/15/2013	#1 Primary	0.0035	µg/m³	AC17828	1/14/2014	#1 Primary	0.0063	µg/m³		
AC15805	12/18/2013	#1 Primary	0.0047	µg/m³	AC17834	1/17/2014	#1 Primary	0.0311	µg/m³		
AC15811	12/21/2013	#1 Primary	0.0054	µg/m³	AC17840	1/20/2014	#1 Primary	0.0224	µg/m³		
AC15817	12/24/2013	#1 Primary	0.0049	µg/m³	AC17846	1/23/2014	#1 Primary	0.1888	µg/m³		
AC15823	12/27/2013	#1 Primary	0.0119	µg/m³	AC19351	1/26/2014	#1 Primary	0.1641	µg/m³		
AC17732	12/30/2013	#1 Primary	0.0272	µg/m³	AC19371	1/29/2014	#1 Primary	0.0093	µg/m³		
December Sum	0.1034	December Average	0.01034	µg/m³	January Sum	0.4964	January Average	0.04964	µg/m³		
Run Days Scheduled:	10	Actual:	10	December Data Capture Rate	100.000%	Run Days Scheduled:	10	Actual:	10	January Data Capture Rate	100.000%

Sample Number	Date Collected	Site:	Result
AC19391	2/1/2014	St. Joe State Park - #1 Primary	0.0040 µg/m³
AC19411	2/4/2014	St. Joe State Park - #1 Primary	0.0067 µg/m³
AC19419	2/7/2014	St. Joe State Park - #1 Primary	0.0044 µg/m³
AC19425	2/10/2014	St. Joe State Park - #1 Primary	0.0079 µg/m³
AC19431	2/13/2014	St. Joe State Park - #1 Primary	0.0086 µg/m³
AC19437	2/16/2014	St. Joe State Park - #1 Primary	0.0086 µg/m³
AC19443	2/19/2014	St. Joe State Park - #1 Primary	0.0050 µg/m³
AC19511	2/22/2014	St. Joe State Park - #1 Primary	0.0054 µg/m³
AC19512	2/25/2014	St. Joe State Park - #1 Primary	0.0377 µg/m³
AC19513	2/28/2014	St. Joe State Park - #1 Primary	0.0100 µg/m³
February Sum 0.0983	February Average 0.00983	µg/m³	Run Days Scheduled: 10
		Actual: 10	February Data Capture Rate 100.000%

Three month rolling average: 0.02 µg/m³

Three Month Data Capture Rate: 100%